

IN THE SPECIFICATION:

Please replace the Abstract, starting on page 157, line 1 of the specification as filed, with the Abstract following:

Abstract of the Invention

A2
Provided are recombinant constructs comprising DNA sequences encoding steroid 5 α -reductase enzymes effective in altering the biosynthesis and accumulation of sterol compounds and tocopherols in transgenic plants. Also provided are methods of using such constructs to produce transgenic plants, seeds of which contain elevated levels of sitostanol and/or sitostanol esters, and α -tocopherol, as well as reduced levels of campesterol and campestanol and their corresponding esters. These seeds also contain the novel sterol brassicastanol. Oil obtained from seeds of such transgenic plants is also provided. This oil can be used to prepare food and pharmaceutical compositions effective in lowering the level of low density lipoprotein cholesterol in blood serum. In addition, novel DNA sequences encoding plant steroid 5 α -reductases are also disclosed.

IN THE CLAIMS:

Please cancel non-elected claims 14-16, 20-33, 43-45 and 49-69 without prejudice to or disclaimer of the underlying subject matter.

Please enter amended claims 1-5, 7, 9, 11-13, 17-19, 34-42, 46-48 and 70:

- 1P
1. (Amended) A recombinant construct, comprising as operably linked components in the 5' to 3' direction, a seed specific promoter or a plastid specific promoter, a DNA sequence encoding a steroid 5 α -reductase enzyme, and a transcription termination signal sequence.
 2. (Amended) The recombinant construct of claim 1, wherein said promoter is a seed-specific promoter and wherein said recombinant construct further comprises a transit peptide coding